

Owner's Operating Service Instruction Manual

10¢

Model No.
134-420A

- ASSEMBLY
- OPERATION
- REPAIR PARTS

26" RIDING MOWER

WARRANTY

For one year from date of purchase, MTD Products Inc will replace for the original purchaser, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. All transportation charges on parts submitted for replacement under this warranty must be paid by the purchaser. This warranty does not include replacement of parts which become inoperative through misuse, excessive use, accident, neglect, improper maintenance or alterations by unauthorized persons. This warranty does not include the engine, motor, battery, battery charger or any component parts thereof. For service on these units, refer to the applicable manufacturer's warranty.

The above warranty will apply only to the original owner and will be effective only if the warranty card has been properly processed. It will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. **UNDER NO CIRCUMSTANCES WILL THE RETURN OF A COMPLETE UNIT BE ACCEPTED BY THE FACTORY UNLESS PRIOR WRITTEN PERMISSION HAS BEEN EXTENDED.**

MTD PRODUCTS INC • 5389 WEST 130th STREET • P. O. BOX 2741 CLEVELAND OHIO 44111

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FORM NO. 770-4860

I M P O R T A N T

SAFE OPERATION PRACTICES FOR RIDING VEHICLES

1. Know the controls and how to stop quickly—**READ THE OWNER'S MANUAL.**
2. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction.
3. Do not carry passengers. Keep children and pets a safe distance away.
4. Clear work area of objects which might be picked up and thrown.
5. Disengage all attachment clutches and shift into neutral before attempting to start engine (motor).
6. Disengage power to attachment(s) and stop engine (motor) before leaving operator position.
7. Disengage power to attachment(s) and stop engine (motor) before making any repairs or adjustments.
8. Disengage power to attachment(s) when transporting or not in use.
9. Take all possible precautions when leaving vehicle unattended such as disengaging power-take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
10. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face.
11. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
12. Stay alert for holes in terrain and other hidden hazards.
13. Use care when pulling loads or using heavy equipment.
 - A. Use only approved drawbar hitch points.
 - B. Limit loads to those you can safely control.
 - C. Do not turn sharply. Use care when backing.
 - D. Use counterweight(s) or wheel weights when suggested in owner's manual.
14. Watch out for traffic when crossing or near roadways.
15. When using any attachments never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
16. Handle gasoline with care—it is highly flammable.
 - A. Use approved gasoline container.
 - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
 - C. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine (motor) indoors.
17. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in owner's manual.
18. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
19. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
20. To reduce fire hazard keep engine free of grass, leaves or excessive grease.
21. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
22. Do not change the engine governor settings or overspeed the engine.
23. When using the vehicle with mower, proceed as follows:
 - (1) Mow only in daylight or in good artificial light.
 - (2) Never make a cutting height adjustment while engine (motor) is running if operator must dismount to do so.
 - (3) Shut engine (motor) off when removing grass catcher and/or unclogging chute.
 - (4) Check blade mounting bolts for proper tightness at frequent intervals.
24. Check grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.

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ASSEMBLY

GRASS CATCHER Model No. 194-015A is available as optional equipment for the mowers shown in this manual.

WARNING

1. The mower should not be operated without the entire grass catcher or chute deflector in place.

NOTE

Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

For replacement bags, use only factory authorized replacement bag No. 764-121.

IMPORTANT: After striking a foreign object, stop the engine (motor). Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

NOTE

Reference to right-hand or left-hand side of machine is from the driver's seat facing forward.

Your mower is shipped assembled except for the steering wheel and seat.

TIRE PRESSURE

For shipping purposes the tires may be over-inflated. Tire pressure should be reduced before unit is put into operation. Pressure should not exceed 15 P.S.I. Equal tire pressure should be maintained.

STEERING WHEEL ASSEMBLY See figure 1.

Step 1. Line up the hole in the steering column and the hole in the tubing assembly and drive in the roll pin with a hammer.

NOTE

It may be necessary to use a drift to line up the holes.

Step 2. Place the end caps on the spacer.

Step 3. Slide the spacer over the tubing assembly until it lays flush against the steering box.

Step 4. Place the steering wheel on the tubing shaft.

Step 5. Secure in place with Belleville washer and hex nut.

Step 6. Put on steering wheel cap by hand.

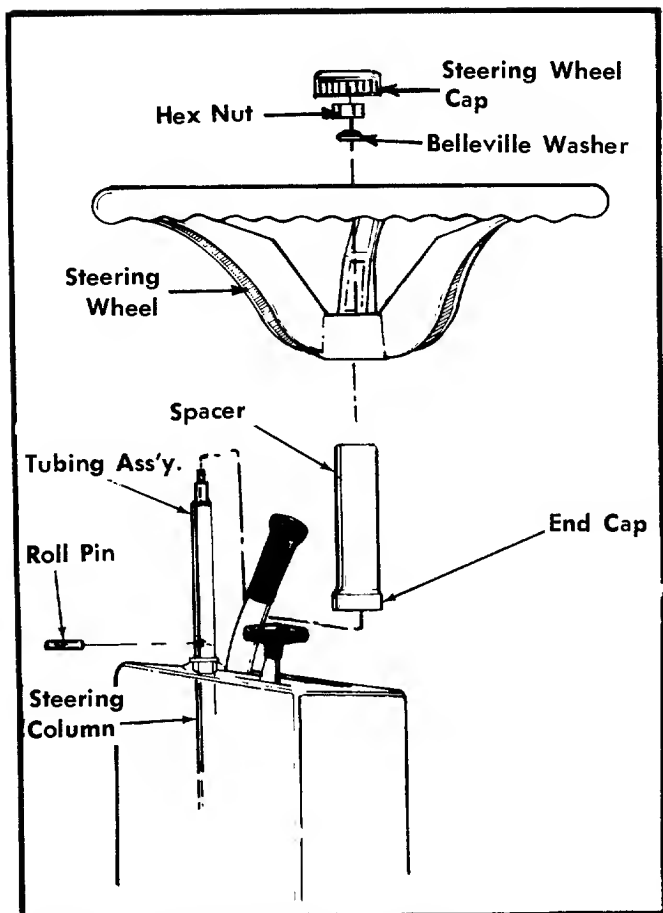


FIGURE 1. STEERING WHEEL ASSEMBLY

SEAT ASSEMBLY. See figures 2 and 3.

Step 7. Hook the large carriage bolt B into the bottom of the seat as shown in figure 2.

Step 8. Place the seat on the seat spring and secure with hex nut C. See figure 3.

NOTE

The seat is adjustable using any one of the four mounting holes.

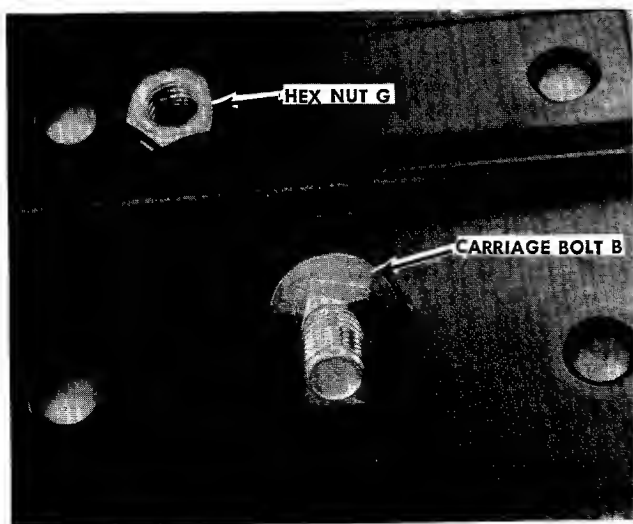


FIGURE 2. ATTACHING SEAT BOLT



FIGURE 3. SEAT ASSEMBLY

CONTROLS See figure 5.

THROTTLE CONTROL

The throttle control is used to regulate the engine speed and to activate the choke on the engine. To get the maximum efficiency on cutting, the throttle should be in the FAST position when operating the mower. Pushing the throttle all the way forward, past FAST will choke the engine.

IGNITION KEY

The key must be turned to the ON position before the recoil handle is pulled to start the engine. Remove the key when the mower is not in use. Turn the key to the left (to the OFF position) to stop the engine.

INTERLOCKS (Not Shown)

An interlock safety switch is located on the clutch pedal and the lift and disengagement lever.

The Clutch Pedal must be depressed all the way down and locked. The Lift and Disengagement Lever must be in the STOP position (all the way back) before the engine can be started. Failure to follow these instructions will prevent starting.

GEAR SHIFT LEVER

The gear shift lever has three positions, FORWARD, NEUTRAL and REVERSE. The clutch pedal must be depressed and the riding mower must not be moving when shifting gears. Shifting gears may be difficult when the clutch is locked in the disengaged position. Do not force the shift lever. Release the clutch pedal slightly to line up the shifting collar in the transmission. Then try to shift gears.

BRAKE

To operate the brake depress the right pedal all the way down. To lock the brake in the park position, pivot the pedal forward with your foot as you depress it. It will stay in the depressed position. To release the parking brake, pivot the pedal to the rear.

LIFT AND DISENGAGEMENT LEVER

The lift and disengagement lever is used to raise and lower the cutting deck, set the cutting height, and disengage the cutting blades.

Move the lever to the left and pull the lever all the way back and lock it to disengage the blades. The lever may be set in any one of the five cutting height positions. This lever works in conjunction with the deck wheel adjusters.

DECK WHEELS

Always set both deck wheels in the same relative position. Set these wheels after the Lift and Disengagement Lever is set. The wheels should just clear the ground. This will prevent scalping the grass.

CLUTCH PEDAL

The Clutch Pedal is on the left side of the mower. When it is depressed it disengages the transmission from the engine. The clutch must be depressed to shift gears or to come to a stop.

It can be locked in the disengaged position for starting by depressing it all the way and pivoting it forward to the locked position. To release the clutch, pivot it to the rear and it will be unlocked. Release the clutch pedal slowly.

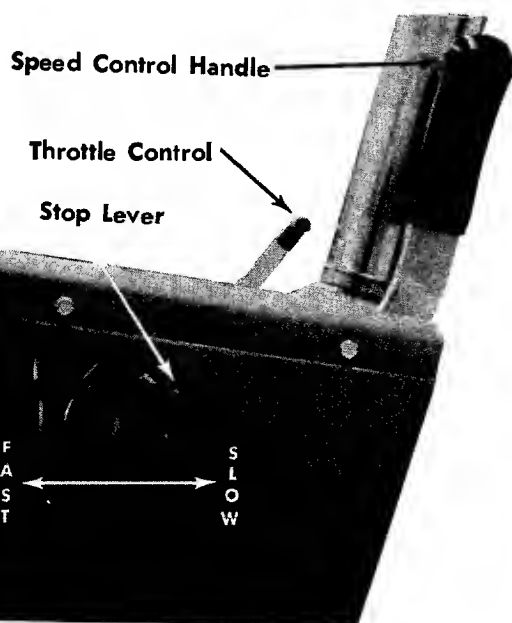


FIGURE 3. SPEED CONTROL

SPEED CONTROL HANDLE See figure 4.

The Speed Control Handle can be used as a hand control for the clutch pedal. It is also used to lock the clutch pedal in the disengaged position by pulling it all the way back towards the operator.

STOP LEVER See figure 4.

The Stop Lever allows you to regulate the maximum ground speed of the riding mower by setting the Stop Lever in any one of the five settings.

NOTE

The further forward the Stop Lever is set, the faster the ground speed.

Depressing the clutch pedal at any time will slow the mower. If depressed all the way, it will stop the mower.

OPERATING INSTRUCTIONS

CAUTION

1. Keep all shields and guards in place.
2. Before leaving operator's position:
 - Shift controls into neutral
 - Set parking brake
 - Disengage attachment drive
 - Shut off engine
 - Remove ignition key
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.

CAUTION

Parking Brake **MUST** be disengaged before unit is put into motion.

NOTE

Unit is equipped with separate brake and clutch pedals. To efficiently stop, it is necessary to disengage the clutch when applying the brakes.

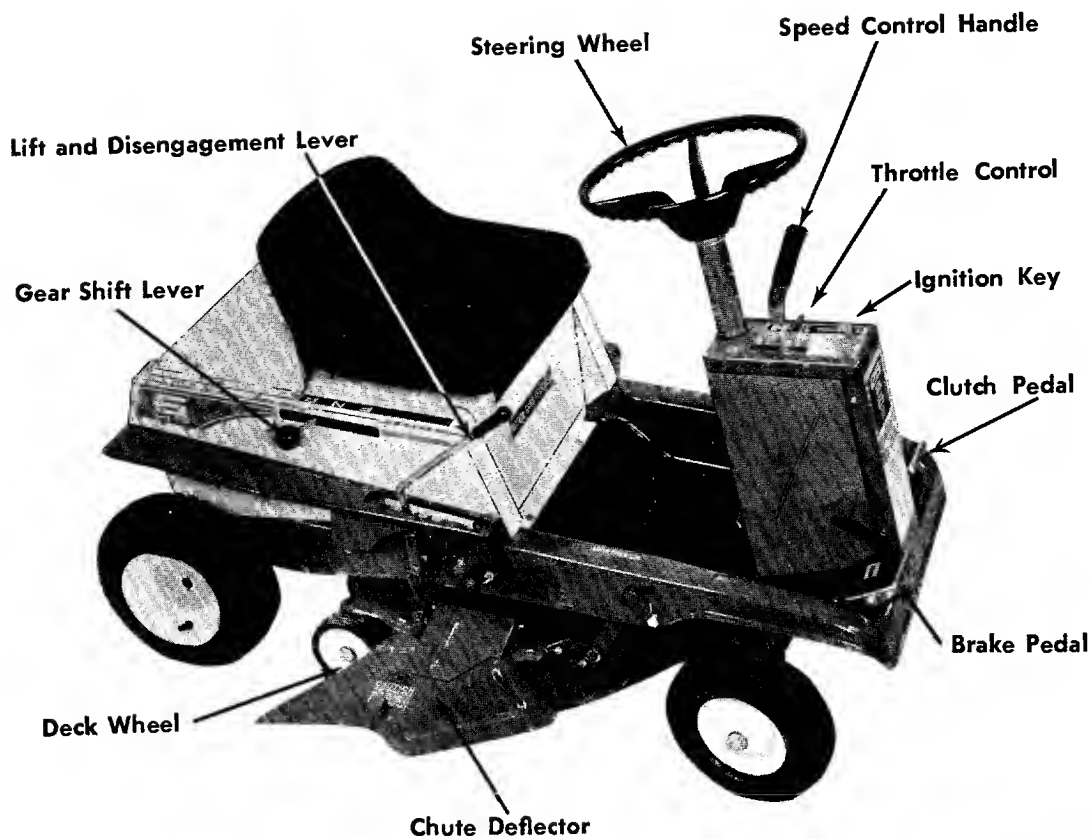


FIGURE 5. CONTROLS

STOPPING

Engine—Turn the ignition key to the left to the OFF position.

Rider—Depress the clutch and brake pedals.

Blades—Pull the lift and disengagement lever all the way back and lock it.

STARTING THE ENGINE

1. Be sure the crankcase is filled with oil as recommended in the engine manual and put regular gasoline in the gasoline tank.
2. Be sure the fuel shut off valve located on the carburetor is open.
3. Attach the wire to the spark plug.
4. Depress the clutch pedal and lock it down.
5. Pull the lift and disengagement lever back to the disengaged position and lock it.

6. Set the throttle control lever in the CHOKE position.

7. Turn the ignition key to the ON position. Twist the recoil starter handle until it is free and pull it with a quick steady motion. After the engine starts, return the recoil starter handle. Twist it until it locks. See figure 6.

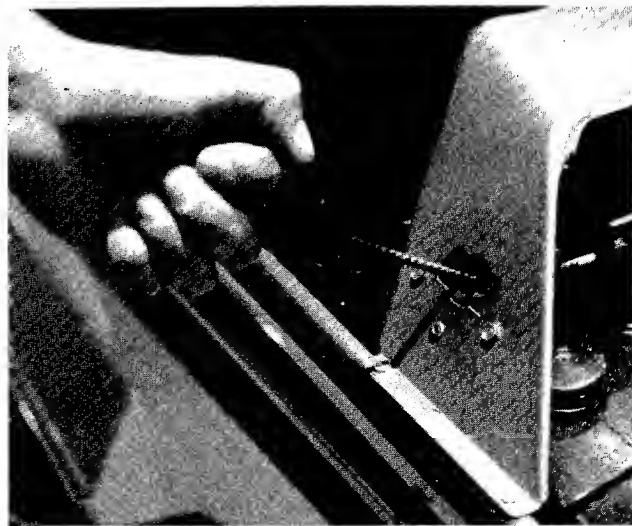


FIGURE 6. RECOIL STARTER

NOTE

If these instructions are not followed the engine will stop running when the clutch or blades are engaged.

8. To stop the mower turn the ignition key to the OFF position and remove the key when the rider is not in use.

PUTTING THE RIDING MOWER IN MOTION

1. Advance the throttle control from $\frac{3}{4}$ to full throttle to prevent strain on the engine and to operate the cutting blades.
2. Hold the clutch pedal down with your right foot.
3. Place the gear shift lever in either the FORWARD or REVERSE position.
4. Slowly release the clutch pedal.
5. To stop, depress the clutch and the brake pedals.

6. The blades can be engaged either while moving or while standing still. Move the lift and disengagement lever forward slowly until the blades are running.

After learning to control the machine in the slower speeds, set the stop lever in a faster position. The unit will maintain the highest speed set without touching the controls. To slow down, depress the clutch pedal until the speed desired is obtained. When the clutch pedal is released, the riding mower will operate at the highest speed set on the stop lever.

MAINTENANCE AND ADJUSTMENTS

THROTTLE CONTROL See figure 7.

To Check Operation:

Remove Air Cleaner. Move remote control lever to CHOKE position. The carburetor choke should then be closed. Move the remote control lever to STOP. Control lever on carburetor should then make good contact with stop switch to short out ignition.

To Adjust

Place remote control lever on equipment in FAST (high speed) position.

Lever C on carburetor should be just touching choke arm at D. To adjust, loosen casing clamp screw A on blower housing. Move control casing B forward or backward until correct position is obtained. Tighten screw A. See figures 7 and 8.

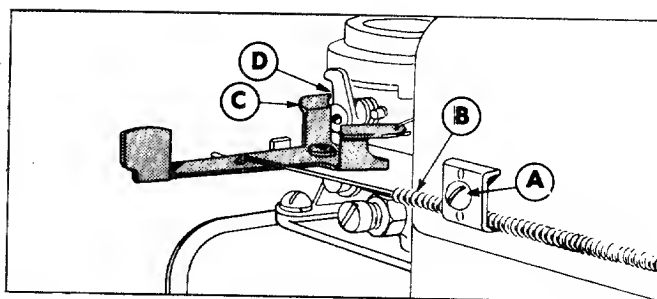


FIGURE 7. THROTTLE ADJUSTMENT

Recheck operation of controls after adjustment. Replace air cleaner.

CARBURETOR ADJUSTMENTS See figure 8.

Minor carburetor adjustments may be required to compensate for differences in fuel, temperature, altitude and load.

Initial Adjustment:

Turn needle valve clockwise to close it. Then open 2 turns. This initial adjustment will permit the engine to be started and warmed up before making final adjustment.

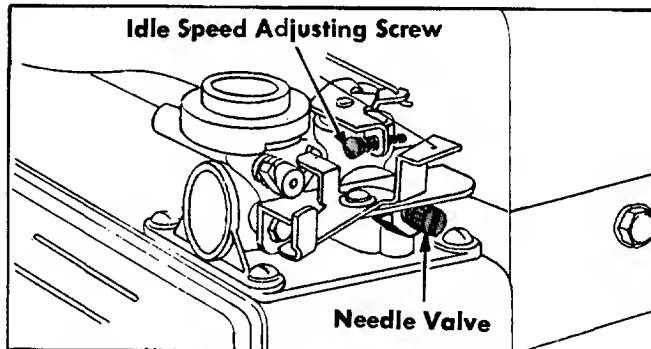


FIGURE 8. CARBURETOR ADJUSTMENT

Final Adjustment:

With engine running at normal operating speed (approximately 3000 RPM without load) turn needle valve clockwise until engine starts to lose speed (lean mixture). Then slowly turn needle valve counterclockwise past the point of smoothest operation until engine just begins to run unevenly. This mixture will give best performance under load.

To check adjustment move engine control from SLOW to FAST speed. If engine tends to stall or die out, it usually indicates that the mixture is slightly lean and it may be necessary to open the needle valve slightly to provide a richer mixture. This richer mixture may cause a slight unevenness in idling.

CHAIN ADJUSTMENT

After the first five hours of operation the initial slack should be removed from the chain. The chain should be tight enough so that it deflects approximately $\frac{1}{2}$ " when it is depressed with the thumb.

To Adjust:

The adjusting bolt is located under the frame, above the cutting deck on the right side of the mower.

Turn the adjusting bolt clockwise with an open end wrench until the chain reaches the proper tension.

NOTE

If the transmission mounting plate will not slide forward to adjust the chain tension, it may be necessary to loosen the four nuts mounting the transmission to the frame.

BRAKE ADJUSTMENT See figure 9.

To adjust the brake, tighten the locknut one half turn and then test the brakes. Repeat if necessary.

The brake is located by the right rear wheel inside the frame.

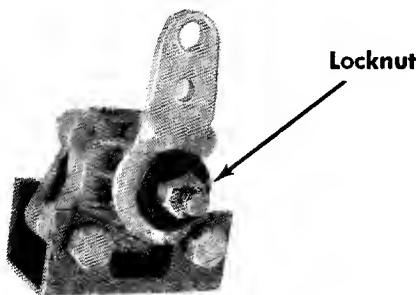


FIGURE 9. BRAKE ADJUSTMENT

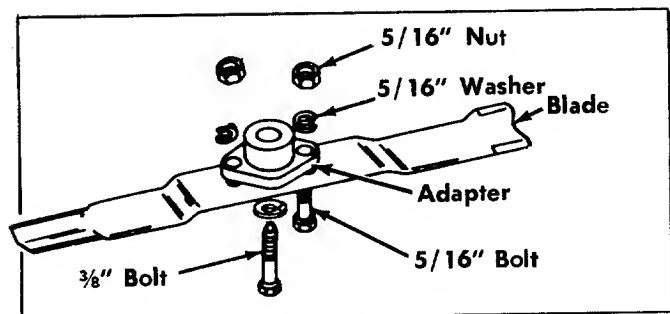
BLADES

WARNING

Disconnect the spark plug wire and remove the ignition key before removing the blades.

Sharp and balanced blades are essential for efficient mowing and long mower and engine life. When sharpening blades, file equal amounts of metal from each side. The blades should be balanced before they are reinstalled. An unbalanced blade will cause excessive vibration and undue wear on the mower and the engine. When reassembling, all parts must be installed in the proper order and fastened securely.

Remove the $\frac{3}{8}$ " bolt and lockwasher. Pull the blade and adapter off the mower deck. To remove the adapter from the blade, remove the two $\frac{5}{16}$ " bolts, lockwashers and nuts. See figure 10.



**FIGURE 10. BLADE REMOVAL
MOWER DECK**

The underside of the mower deck should be cleaned after each period of use as grass clippings, leaves, dirt and other matter will accumulate. This accumulation of grass clippings, etc., is undesirable as it will invite rust and corrosion and may cause an uneven discharge of grass clippings at the next mowing.

The deck may be cleaned by tilting the mower on its front wheels until the frame and the steering wheel supports the entire unit. Scrape clean with a suitable tool or by washing with a stream of water from a garden hose. Be sure to disconnect the spark plug wire and ground it while performing this maintenance.

NOTE

To insure safe operation, ALL nuts and bolts must be checked periodically for correct tightness.

BELT REMOVAL See figure 11.

To Remove the Deck Belt:

- Step 1. Put the Lift and Disengagement Lever into the ENGAGED position.
- Step 2. Remove the keeper on the R. H. side of the engine belt guard.
- Step 3. Remove the hex nut holding the idler on the engine belt guard.
- Step 4. Remove the two keepers on the deck pulley.
- Step 5. Remove the shoulder bolt on the deck pulley.
- Step 6. Move the Lift and Disengagement Lever into the DISENGAGED position.
- Step 7. Remove the belt and reassemble with a new belt.

NOTE

When assembling the idler be sure the longer shoulder is up so the idler turns free.

To Remove the Variable Speed Belts:

- Step 1. Put the Lift and Disengagement Lever into the ENGAGED position.

Step 2. Put the Parking Brake ON.

Step 3. Remove the keeper on the R.H. side of the engine belt guard.

Step 4. Remove the hex nut holding the idler on the engine belt guard.

Step 5. Put the Lift and Disengagement Lever into the DISENGAGED position and remove the deck belt from the engine pulley.

Step 6. Remove the hex nut and lockwasher holding the Variable Speed Pulley.

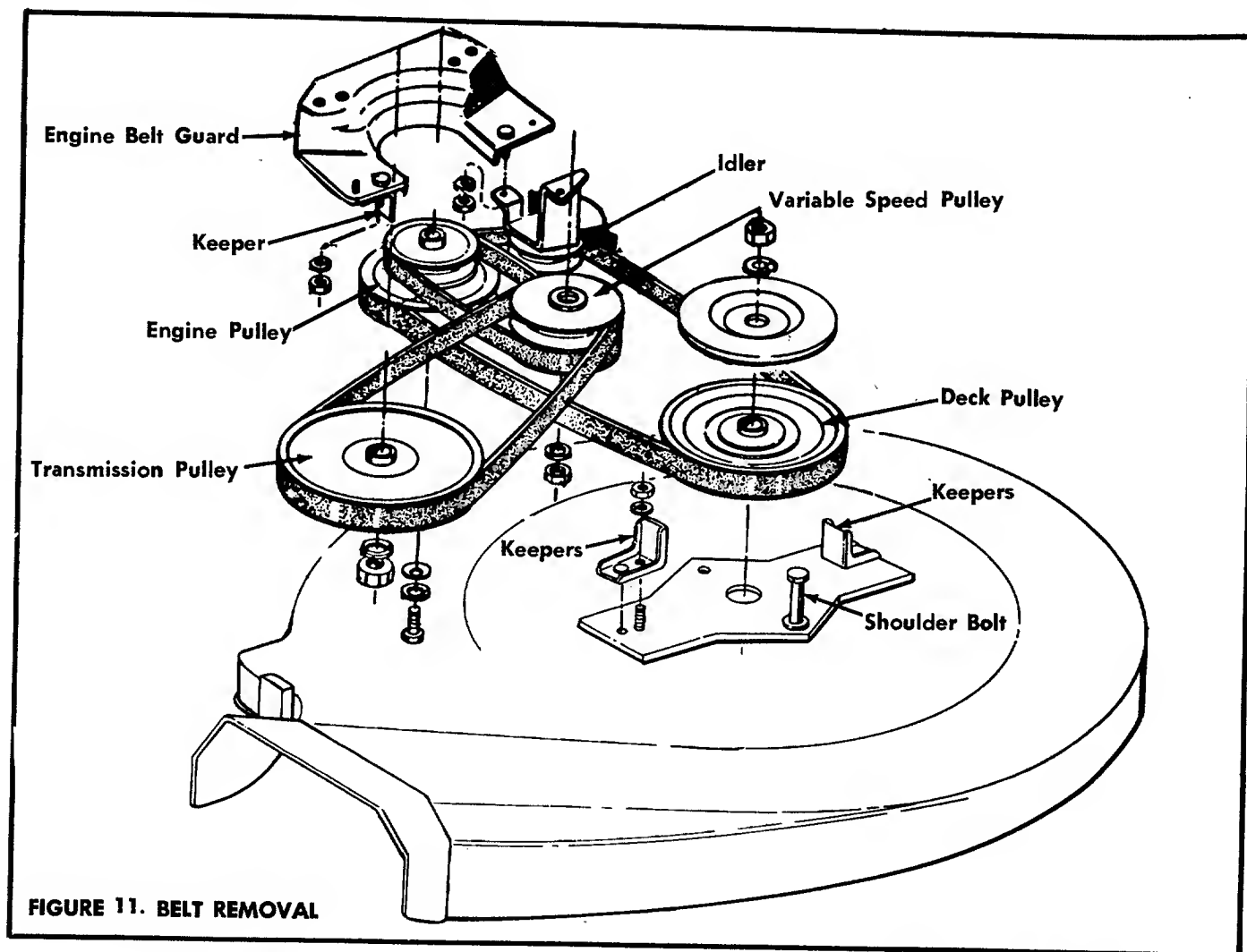
Step 7. Remove the hex nut and lockwasher holding the transmission pulley in place.

Step 8. Remove the pulleys and belts at the same time.

Step 9. Reassemble with the new belts.

NOTE

When assembling the idler be sure the longer shoulder is up so the idler turns free.



LUBRICATION

1. **Engine.** Maintain the engine oil according to the engine manual.

2. **Bearings.** The following bearings are oil impregnated and do not require lubrication, however, their normal life can be extended by lubricating them once a season with a light, non-detergent oil.

A. King Pin Bearings (total 4 bearings)

B. Rear Axle Bearings (total 3 bearings)

C. Front Wheel Bearings (total 4 bearings)

D. Deck Wheel Bearings (total 4 bearings)

3. **Throttle Control and Cable.** Wipe oiled rag along entire length of cable.

4. **Chain.** Wipe oiled rag along entire length of chain.

NOTE

Under extremely dusty conditions do not oil the chain.

5. **Linkage.** Oil all deck linkage and height adjustment linkage.
6. **Transmission.** Lubricated at the factory, does not require checking. Lubricate with 5 oz. of grease high temp. 450°F. if disassembled.
7. **Differential.** Lubricated at the factory, does not require checking. Lubricate with 2 oz. of grease High Temp. 450° F. if disassembled. If ordered from the factory use part No. 737-120.
8. **Steering.** Lubricate at least once a season with grease.
9. **Variable Speed Pulley Assembly.** See page 22. Quant.

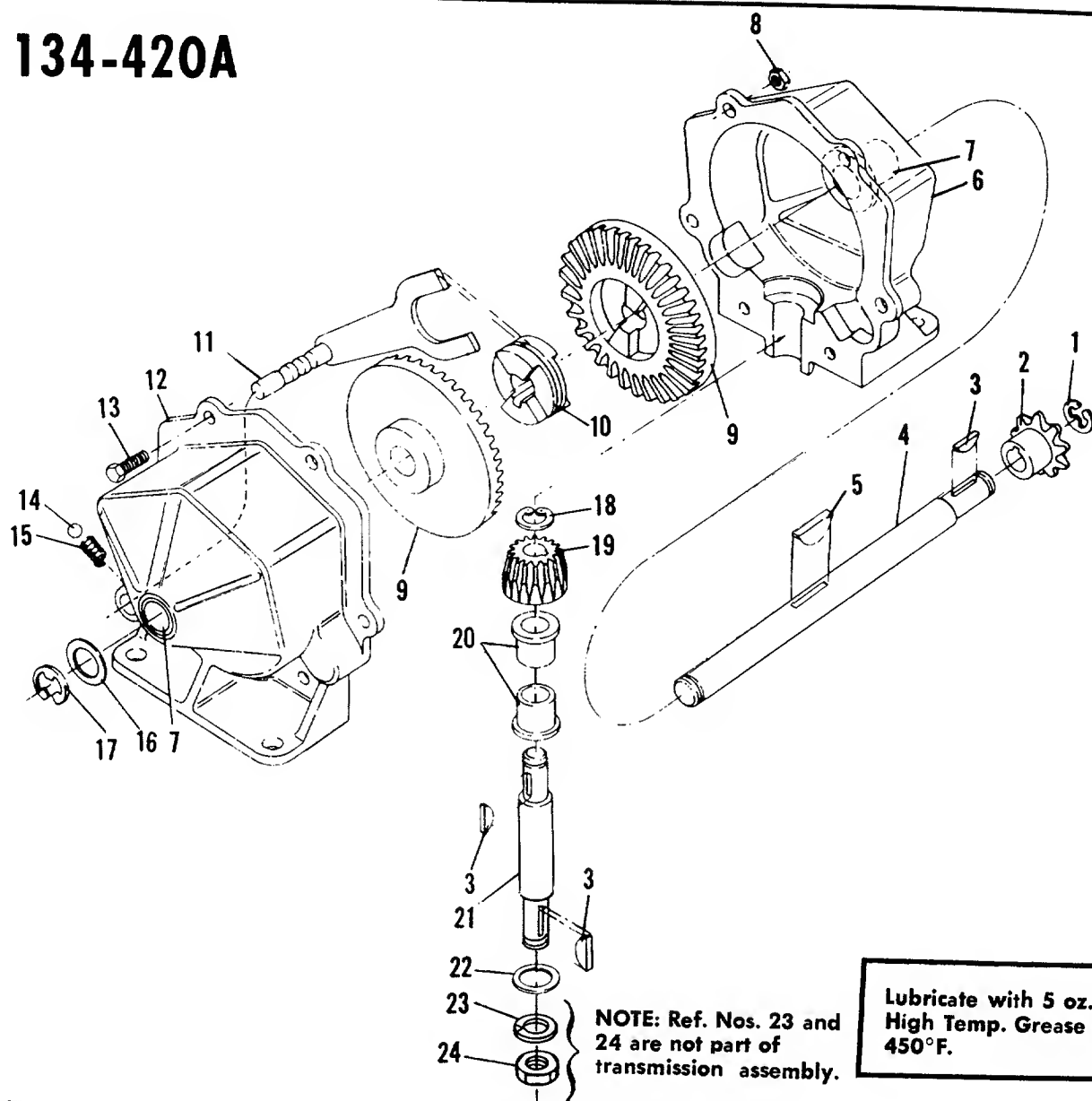
OFF-SEASON STORAGE

NOTE

Engines to be stored over 30 days should be completely drained of fuel to prevent gum deposits forming on essential carburetor parts, fuel filters, fuel lines and tank.

1. Remove all fuel from fuel tank. Run the engine until it stops from lack of fuel. The small amount of fuel that remains in the sump of the tank should then be removed by absorbing it with a clean, dry cloth.
2. While engine is still warm, drain oil from crankcase. Refill with fresh oil.
3. Remove spark plug, pour 1 ounce of SAE 30 oil into cylinder and crank slowly to distribute oil. To prevent accidental starting, DO NOT replace the spark plug.
4. Clean dirt and chaff from cylinder, cylinder head fins and blower housing.
5. Clean all grass from underside of deck.
6. Clean the air filter.
7. Place blocks under frame of mower so that the wheels are off the ground.
8. Cover all bare metal parts, such as the mowing edge of the blades, with grease to prevent rusting.
9. Cover the mower with a tarpaulin or other protective covering.

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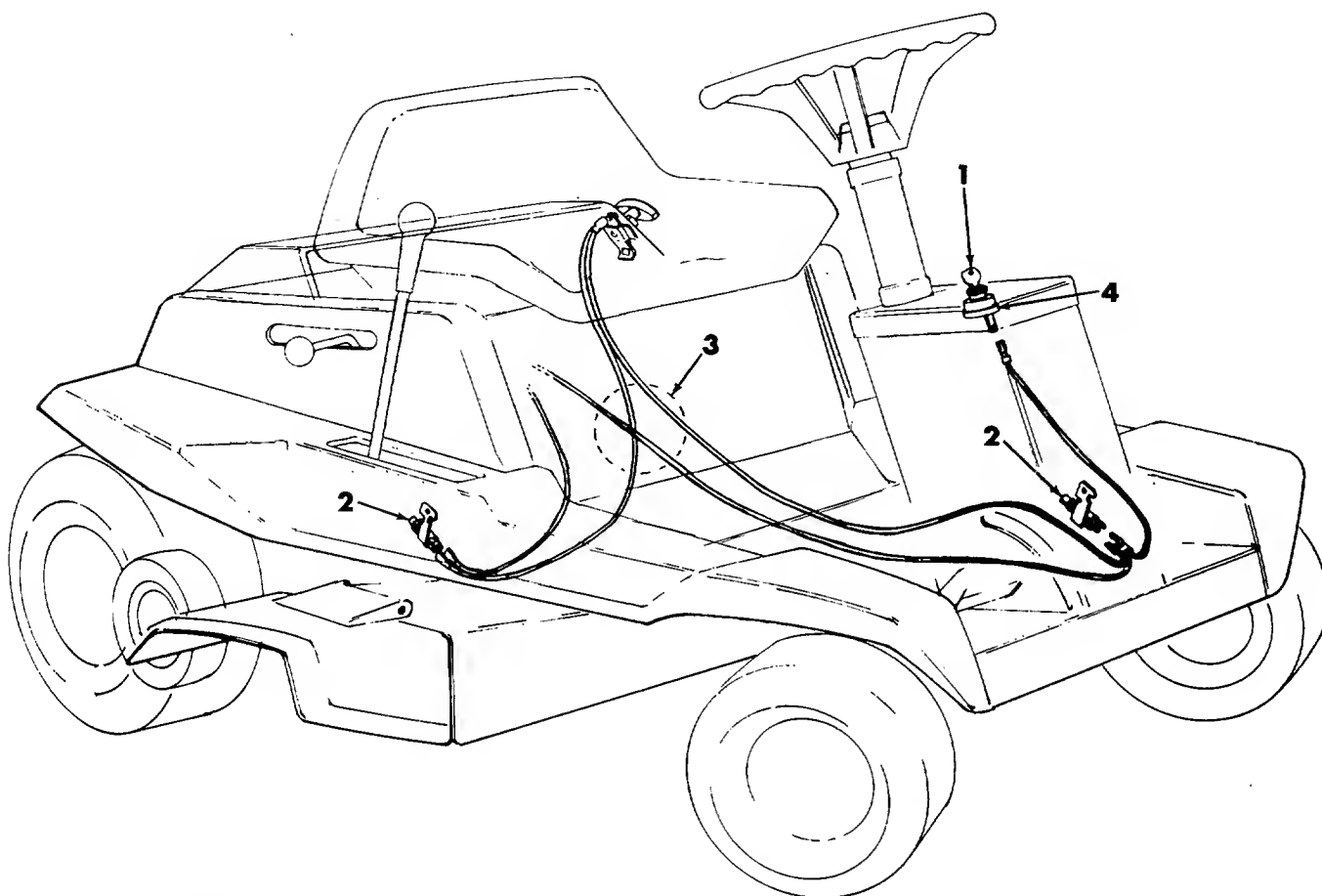
717-223 TRANSMISSION

PARTS LIST FOR TRANSMISSION USED ON MODEL 134-420A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	716-104		Snap Ring		13	710-195		Hex Hd. Cap Scr. 1/4-28 x .62*	
2	748-852		Sprocket 8T #41		14	741-862		Detent Ball	
3	714-129		#4 Key Hi-Pro		15	732-863		Detent Spring	
4	711-854		Shaft Output		16	736-116		Washer	
5	714-126		#9 Key Hi-Pro (Hardened)		17	716-106		E-ring	
6	717-123		Housing Half		18	716-865		Snap Ring #3100-50	
7	748-855		Bearing		19	748-866		Bevel Pinion	
8	712-117		Locknut 1/4-28 Thd.*		20	748-867		Bearing	
9	748-856		Bevel Gear		21	738-159		Pinion Shaft	
10	748-857		Clutch Collar		22	736-192		Washer	
	8583		Detent Shaft Assembly		23	736-921		Lockwasher 1/2"	
	717-124		Housing Half with Detent Hole		24	712-922		Hex Jam Nut 1/2-20 Thd.*	
					25	737-120		Grease High Temp. 450°F. (5 oz.) N	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally order by part number and size as shown on parts list.

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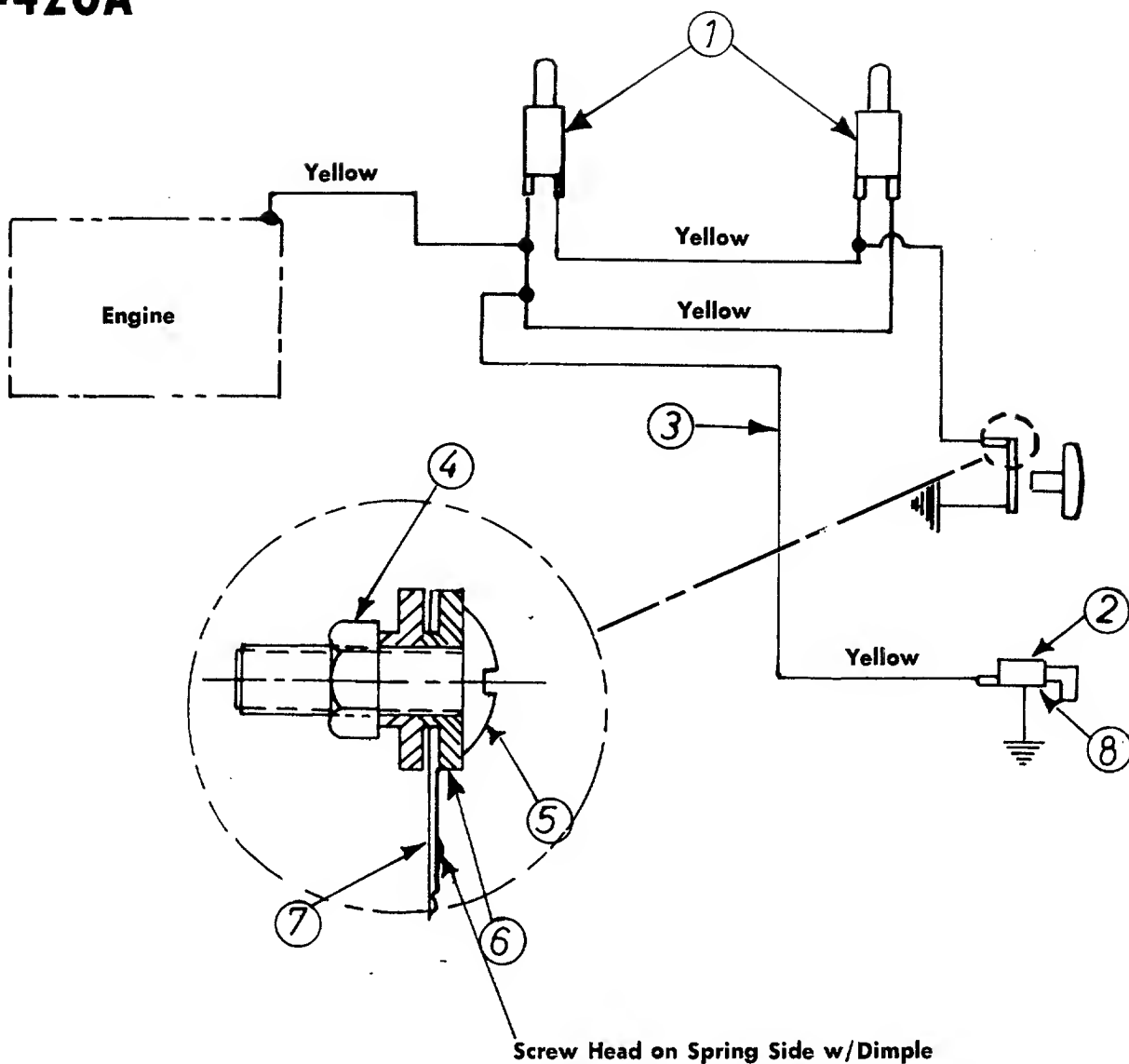


ELECTRICAL SYSTEM

PARTS LIST FOR ELECTRICAL SYSTEM

Ref. No.	Part Number	Description
1	725-128	Key Only for Switch
2	725-269	Safety Switch (Red)
3	725-281	Wire Harness
4	725-266	Switch

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SCHEMATIC FOR ELECTRICAL SYSTEM

PARTS LIST FOR SCHEMATIC MODEL 134-420A

REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	725-269	Safety Switch Norm Closed-Red	
2	725-266	Magneto Ignition Switch w/Nut	
3	725-281	Wire Harness	
4	712-121	Hex Nut #10-24	
5	710-425	Truss Mach. Scr. #10-24 x .62	
6	736-338	Fiber Washer	
7	732-257	Switch Spring	
8	736-225	Internal L-Wash. 5/8 I.D.	

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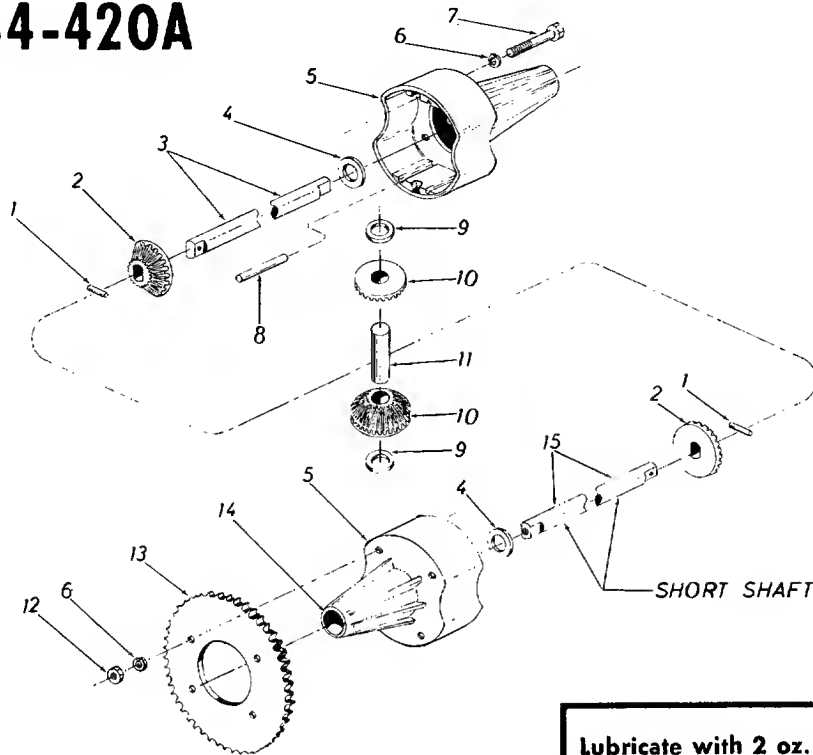


FIGURE 14. DIFFERENTIAL ASSEMBLY

PARTS LIST FOR DIFFERENTIAL ASSEMBLY PART NUMBER 717-271

REF. NO.	PART NO.	QTY REQ'D	DESCRIPTION	NEW PART
1	715-247	2	Spring Pin Spir. 3/16" Dia. x 1.00" Lg.	N
2	748-185	2	Gear—Double "D" Hole	
3	738-262	1	Shaft—Long 19.17" Lg.	
4	736-188	2	Fl-Wash. .760 I.D. x 1.49 O.D.	
5	719-150	2	Housing Half	
6	736-119	8	L-Wash. 5/16" Scr.*	
7	710-363	4	Hex Scr. 5/16-24 x 4.00" Lg.	
8	715-123	2	Dowel Pin 3/16" Dia. x .62" Lg.	
9	736-187	2	Fl-Wash. .640 I.D. x .24 O.D.	
10	748-158	2	Gear—Round Hole	
11	711-276	1	Drive Pin	
12	712-237	4	Hex Center L-Nut 5/16-24 Thd.	
13	9054	1	Sprocket—40 Tooth	
14	748-169	2	Flange Bearing	N
15	738-261	1	Shaft—Short 6.93" Lg.	
	737-120		Grease—Hi. Temp. 450° F (2 oz.)	

*For faster service obtain standard nuts, bolts, and washers locally. If these items cannot be obtained locally, order by part number and size as shown on the parts list.

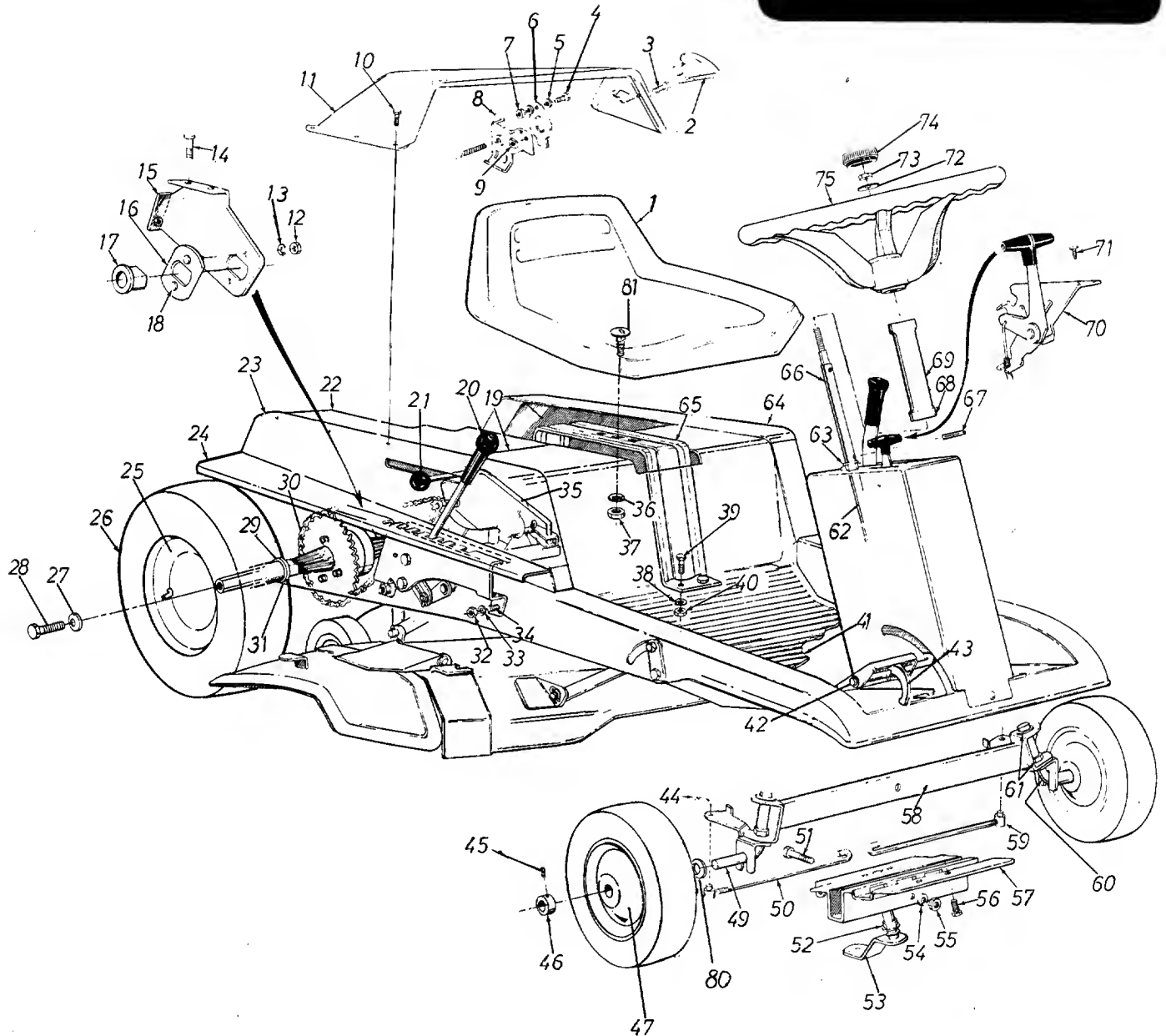
TROUBLE SHOOTING CHART FOR RECOIL START MODELS

CAUTION: ALWAYS DISCONNECT SPARK PLUG BEFORE ATTEMPTING ANY REMEDY.

TROUBLE	LOOK FOR	REMEDY
Engine fails to start.	Safety System	<p>If the engine will not start be sure the clutch control is disengaged; blade controls disengaged, the throttle control is set and the key is turned on.</p> <p>A. Disconnect the yellow wire from the engine. This comes from the ignition switch.</p> <p>B. If the engine fails to start the problem is with the engine, not the safety system.</p> <p>C. If the engine starts, the problem is with the safety system. Check the yellow wire for a ground.</p> <p>D. Check the operation of the switch behind the recoil starter handle.</p> <p>E. If the engine stops when the clutch or blade is engaged, the recoil handle is not pushed into the receptacle and twisted a quarter turn.</p>
	Blocked fuel line or empty gas tank.	Clean fuel line; check fuel supply. Also check fuel shut-off valve.
	Defective spark plug.	<p>Spark plug lead wire disconnected.</p> <p>Faulty spark plug—spark should jump gap between control electrode and side electrode. If spark does not jump, replace spark plug.</p> <p>NOTE: Use insulated pliers to hold the spark plug wire.</p>
	Throttle setting.	Throttle control lever not in the starting position.
	Loose connections	Spark plug wire loose.
Hard starting or loss of power.	Dirty air cleaner.	Remove air cleaner and clean as outlined in Engine Manual .
	Carburetor improperly adjusted.	Review paragraph Carburetor Adjustment .
Excessive vibration.	Bent or damaged blade spindle.	Stop engine immediately; tighten all bolts and make all necessary repairs. If vibration continues, have the unit serviced by a competent repairman.
Unit fails to discharge grass.	Discharge chute clogged.	Clean discharge chute and inside of deck.
	Foreign object lodged in deck.	Remove object from deck. See CAUTION following step 1 in paragraph Operation .
Engine overheats.	Obstructions in air passages.	Remove any obstruction from air passages in shroud. Grass and dirt in engine shroud. Clean cooling fins.
	Oil level.	Fill crankcase to proper oil level.

134-420A

IF YOU WRITE TO US ABOUT THIS ARTICLE
OR IF YOU ORDER REPLACEMENT PARTS AL-
WAYS MENTION THIS MODEL & SERIAL NO
MODEL



EXPLODED VIEW OF RIDER

PARTS LIST FOR MODEL 134-420A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	757-252		Seat Ass'y. 10.0" Back	N	41	735-117		Floor Mat 3/32—Running Board	
2	11263		Handle—Plastic		42	726-221		Push Cap 1/2" Dia.	
3	710-351		Truss Hd. Self Tap Scr. #10 x .50" Lg.		43	10848—463		Foot Pedal Latch Ass'y.	
4	710-425		Truss Hd. Mach. Scr. #10-24 x .62" Lg.		44	714-507		Cotter Pin 3/32" Dia. x 1.00"*	
5	736-338		Fiber Washer		45	710-494		Sq. Hd. Set Scr. 5/16-18 x .38" Lg. Cup	
6	732-257		Switch Spring		46	711-169		Collar 5/8" I.D.	
7	712-121		Hex Nut #10-24 Thd.		47	734-510		Front Wheel Ass'y. Comp. 10.25 x 3.25	
8	11053		Switch Bracket Ass'y.						
9	712-287		Hex Nut 1/4-20 Thd.*		49	9706—463		Front Wheel Axle Ass'y.—R.H.	
10	710-224		Hex AB-Tapp. Scr. #10 x .50"		50	711-335		Tie Rod	
11	11528		Engine Box Top Bezel		51	710-312		Hex Hd. Cap Scr. 5/8-18 x 1.31"	
12	712-267		Hex Nut 5/16-18 Thd.*		52	748-227		Hex Fl. Brg. .630 I.D. Bronze	
13	736-119		L-Wash. 5/16" Scr.*		53	9922		Steering Shaft Ass'y.	
14	710-198		Hex Sems Scr. 5/16-18 x .75"*		54	736-158		L-Wash. 5/8" Scr.*	
15	10471—463		Rear Axle Support Brkt. Ass'y.		55	712-923		Hex Center L-Nut 5/8-18 Thd.	
16	10470—463		Bearing Plate		56	710-198		Hex Sems Scr. 5/16-18 x .75"*	
17	748-151		Fl. Brg. with Flats .753 I.D.		57	11376—463		Front Pivot Bracket	
18	710-198		Hex Sems Scr. 5/16-18 x .75"*		58	9711—463		Pivot Bar Ass'y.	
19	10826		Engine Box Front Panel		59	711-198		Pivot Bushing (Tie Rod End)	
20	720-143		Grip Black—Lift Handle		60	9709—463		Front Wheel Axle Ass'y.—L.H.	
21	722-115		Ball Knob—Blk. 1 1/8 x 3/8-16 thd.		61	748-227		Hex Fl. Brg. .630 I.D. Bronze	
22	10827		Engine Box Top Panel		62	9922		Steering Shaft Ass'y.	
23	10824		Engine Box Side Panel—R.H.		63	748-227		Hex Fl. Brg. .630 I.D. Bronze	
24	10813—463		Fender R.H.		64	10825		Engine Box Side Panel L.H.	
25	734-517		Rear Wheel Rim Ass'y. Only (Includes Hub)		65	10174		Seat Support Ass'y.	
5	734-522		Rear Wheel Ass'y. Comp. (12.2 x 3.7)		66	750-209		Steering Tube Ass'y.	
27	736-242		Belleville Wash. .345 I.D. x .88 O.D.		67	715-108		Spring Pin Spir. 1/4" Dia. x 1.00"	
28	710-568		Hex Tap Type "F" Scr. 5/16-18 x .75" Lg.		68	9921		Bearing Cap	
29	748-151		Fl. Brg. with Flats .753 I.D.		69	9920		Steering Tube Spacer	
30	713-357		#41 Chain 1/2" Pitch x 67 Links		70	746-172		Throttle Control 63.5" Lg.	
31	713-723		#41 Mast. Link 1/2" Pitch Type II		71	710-224		Hex AB-Tapp. Scr. #10 x .50"	
32	736-134		Fl.-Wash.		72	736-219		Belleville Wash. .400 I.D. x 1.13 O.D.	
33	712-267		Hex Nut 5/16-18" Thd.*		73	712-158		Hex Center L-Nut 5/16-18 Thd.	
34	736-119		L-Wash. 5/16" Scr.*		74	731-220		Steering Wheel Cap	
35	710-260		Carriage Bolt 5/16-18 x .62"*		75	731-219		Steering Wheel 12.0" Dia.	
36	10846		Shift Lever Ass'y.		76	10814—463		Fender L.H. (Not Shown)	
37	736-921		L-Wash. 1/2" Scr.*		77	9964		Steering Tube Spacer Ass'y. (Made up of Ref. #134&135)	
38	712-206		Hex Nut 1/2-13 Thd.*		78	9963—463		Hitch Bracket (Not Shown)	
39	736-119		L-Wash. 5/16" Scr.*		79	11228		Plastic Funnel (Not Shown)	
40	710-198		Hex Sems Scr. 5/16-18 x .75"*		80	736-156		Fl.-Wash.	
	712-267		Hex Nut 5/16-18 Thd.*		81	710-385		Carriage Bolt 1/2-13 x 1.00" Lg.*	

(463—Top Flite Red)

When ordering parts if color or finish is important, use the appropriate color code shown at left. (e.g. Top Flite Red finish—10057 (463))

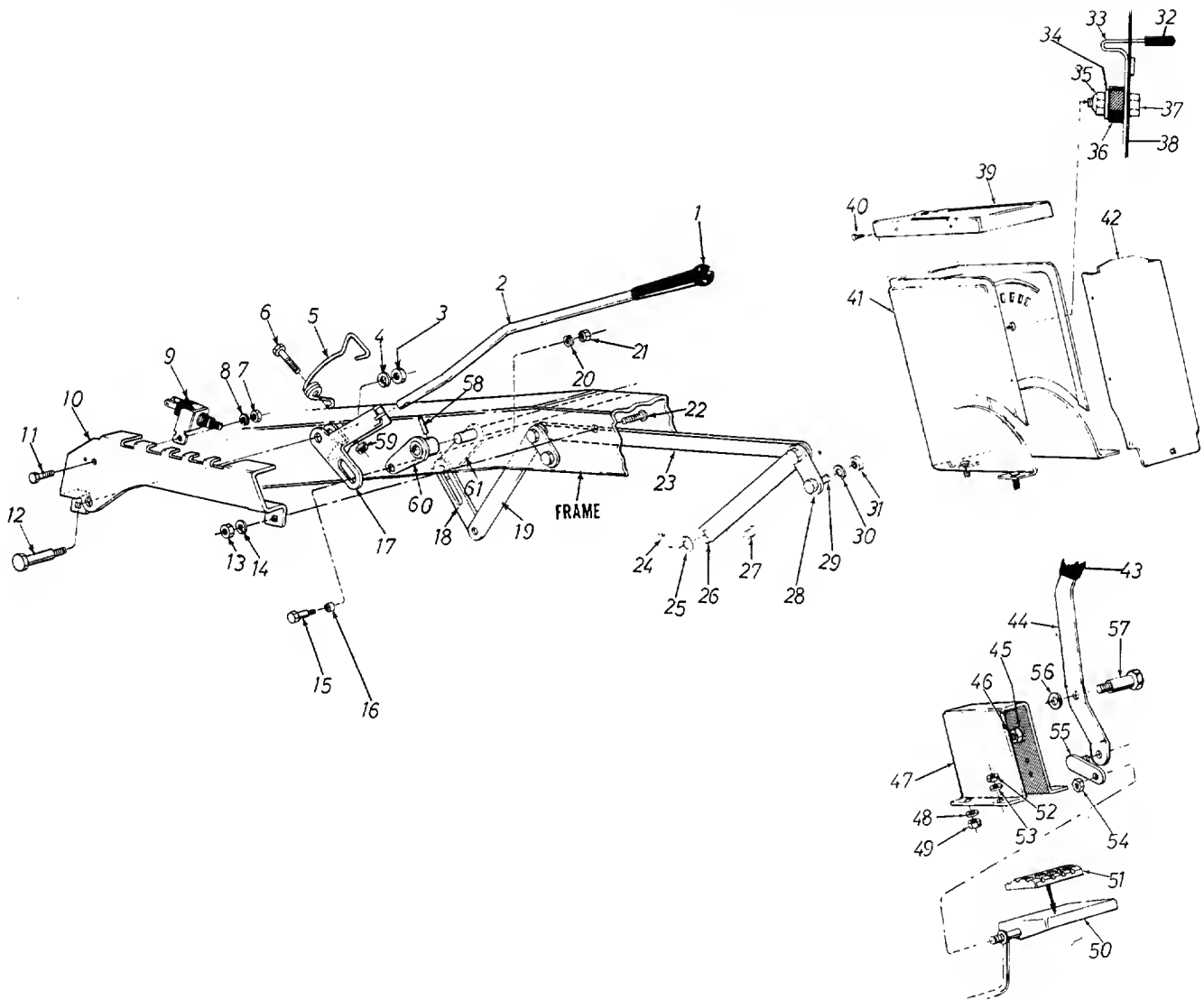
* For faster service, obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on the parts list.

The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."



134-420A

IF YOU WRITE TO US ABOUT THIS ARTICLE
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WAYS MENTION THIS MODEL & SERIAL NO
MODEL



CONTROL LINKAGES

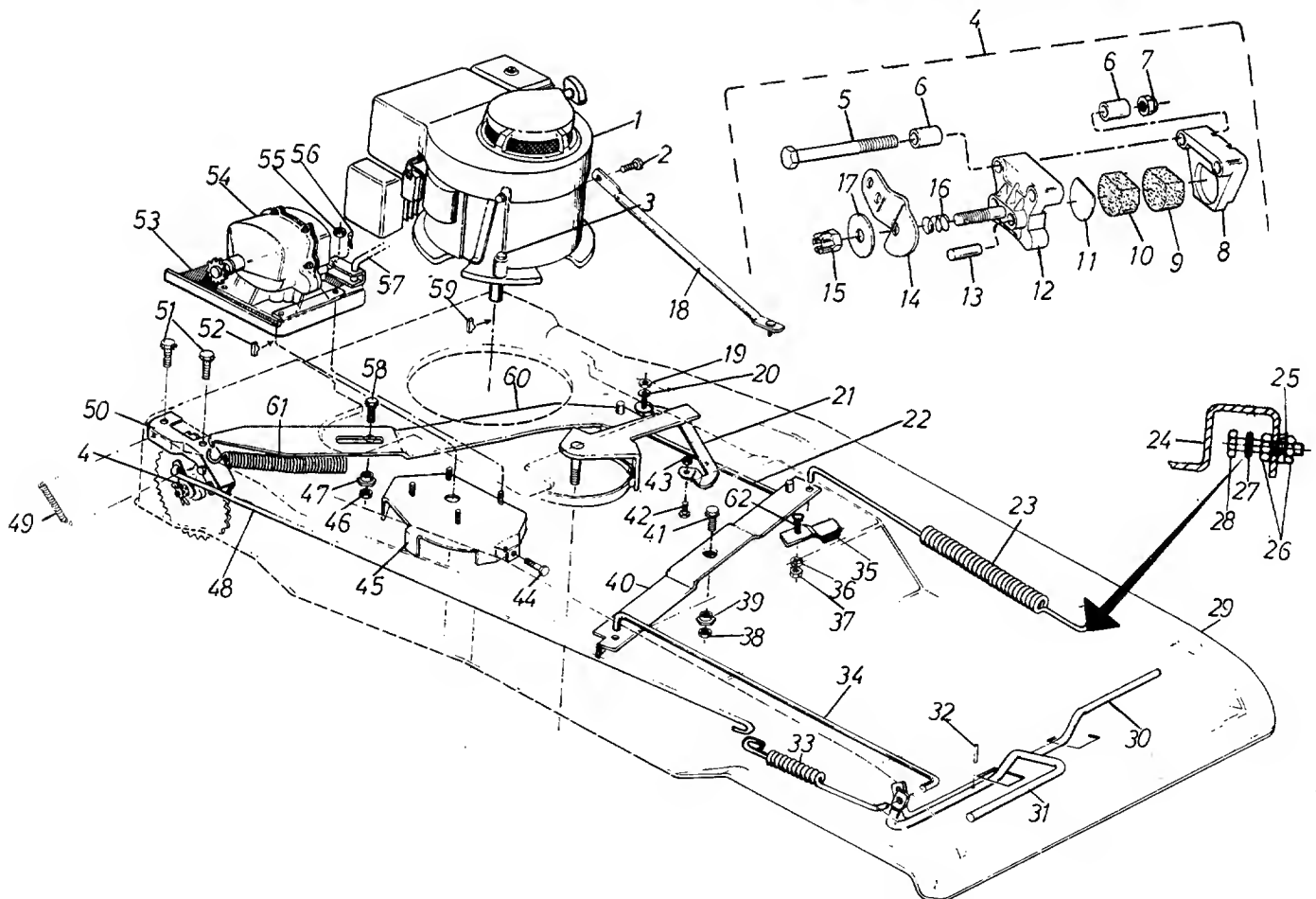
PARTS LIST FOR MODEL 134-420A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
-	720-143		Grip Handle—Lift Handle	
3	11826		Lift Handle	
4	712-798		Hex Nut 5/16-18 Thd.*	
5	736-169		L-Wash. 3/8" Scr.*	
6	732-231		Torsion Spring	
7	710-559		Hex Cap Scr. 1/4-28 x 1.75*	
8	712-287		Hex Nut 1/4-20 Thd.*	
9	736-329		L-Wash. 1/4" Scr.*	
10	725-269		Safety Switch	
11	11825—463		Index Bracket	
12	710-258		Hex Scr. 1/4-20 x .62*	
13	738-213		Shldr. Scr. .498" Dia. x 1.450	
14	712-267		Hex Nut 5/16-18" Thd.*	
15	736-119		L-Wash. 5/16" Scr.*	
16	738-234		Shldr. Scr. .500" Dia. x .295	
17	750-195		Roller—Spacer .505 I.D. x .628 O.D.	
18	11827—463		Handle Lift Brkt. Ass'y.	
19	9737—463		Link—Slotted	
20	12337—463		Pivot Link Assembly	N
21	736-105		Belleville Washer	
22	712-342		Hex Jam Nut 5/16-18 Thd.*	
23	710-260		Carriage Bolt 5/16-18 x .62"*	
24	9735—463		Connecting Rod 3/16 x 1.0 x 12.5" Lg.	
25	714-101		Int. Cotter Pin 1/2" Dia.	
26	736-192		Fl. Wash. .531 I.D. x .93 O.D.	
27	12337—463		Pivot Link Ass'y.	N
28	711-332		Lift Bracket Pin	
29	9721—463		Pivot Link Ass'y.	
30	738-140		Shldr. Scr. .437" Dia. x .180	
31	736-119		L-Wash. 5/16" Scr.*	

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
31	712-267		Hex Nut 5/16-18 Thd.*	
32	11249		Plastic Knob—for Handle Stop	
33	10358		Handle Stop	
34	736-159		Fl. Wash. .344 I.D. x .88 O.D.	
35	712-429		Hex Ins. L-Nut 5/16-18 Thd.	
36	735-126		Rub. Wash. .33 I.D. x .87 O.D.	
37	738-234		Shldr. Scr. .500" Dia. x .295	
38	11375—463		Steering Box	
39	11373—463		Steering Box—Top Cover	
40	710-224		Hex AB-Tapp. Scr. #10 x .50"	
41	11375—463		Steering Box	
42	10818—463		Steering Box—Front Cover	
43	720-142		Flat Ball End Grip	
44	11277		Lockout Lever Ass'y.	
45	736-169		L-Wash. 3/8" Scr.*	
46	712-798		Hex Nut 5/16-18 Thd.*	
47	10832—463		Brake Lever Brkt.	
48	736-119		L-Wash. 5/16" Scr.*	
49	712-267		Hex Nut 5/16-18 Thd.*	
50	11379		Clutch Foot Pedal Rod Ass'y.	
51	10614		Pedal Pad—Vinyl	
52	712-267		Hex Nut 5/16-18 Thd.*	
53	736-119		L-Wash. 5/16" Scr.*	
54	712-107		Hex Center L-Nut 1/4-20 Thd.	
55	10064		Lockout Link Ass'y.	
56	736-232		Wave Wash. .530 I.D. x .78 O.D.	
57	738-234		Shldr. Scr. .500" Dia. x .295	
58	715-107		Spring Pin Spirol 5/16" Dia. x 1.38" Lg.	
59	712-117		Hex Center L-Nut 1/4-28 Thd.	
60	11831—463		Lift Hub Assembly	
61	11830—463		Lift Shaft Assembly	

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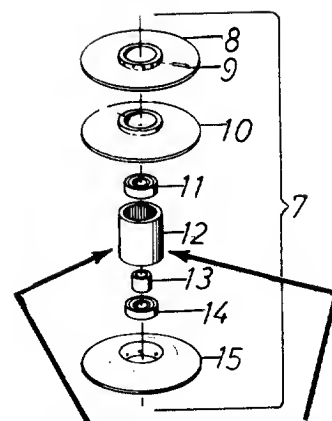
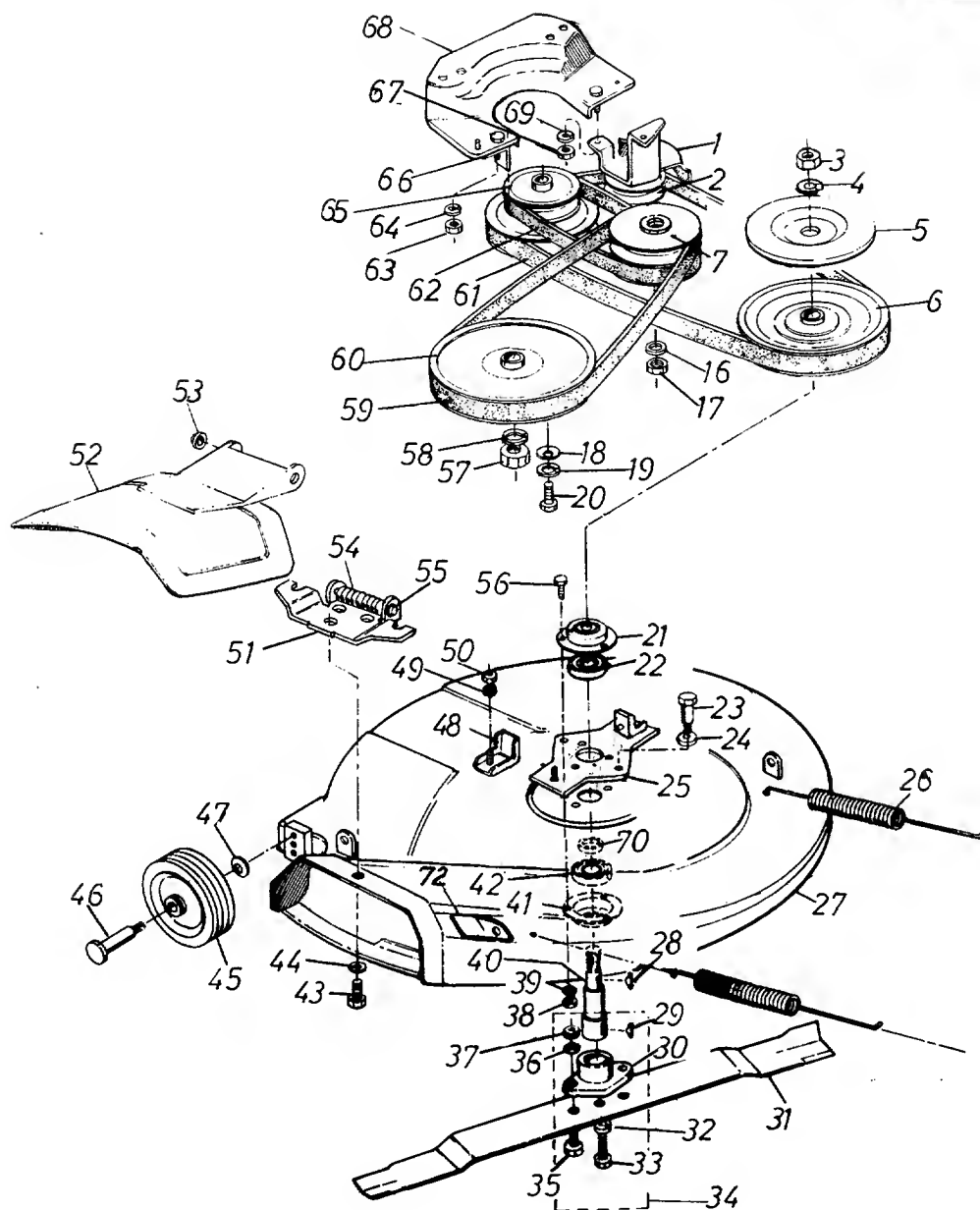
NOTE: If for any reason
Disc Brake is disassembled,
be sure round end of push
pins (Ref. No. 13) is toward
the cam lever (Ref. No. 14).



FRAME VIEW

PARTS LIST FOR MODEL 134-420A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	—		Engine	
2	710-198		Hex Sems Scr. 5/16-18 x .75"*	
3	710-442		Hex Hd. Cap Scr. 5/16-18 x 1.50" Lg.*	
4	761-130		Disc Brake Ass'y. Complete	
5	710-378		Hex Hd. Cap Scr. 5/16-18 x 2.50" Lg.*	
6	761-133		Spacer for Disc Brake .322 I.D. x .38	
7	712-158		Hex Center L-Nut 5/16-18 Thd.	
8	HH-12-03293		Casting—Carrier Side	
9	HH-15-03149		Frctn. Pad 1.110" Dia.x.245 thk.	
10	HH-15-02124		Frctn. Pad 1.110" Dia.x.472 thk.	
11	HH-03-03303		Disc—Backup	
12	HH-12-03292		Casting—Cam Side	
13	HH-05-03034		Push Pin	
14	HH-18-03493		Cam Lever	
15	712-116		Hex Ins. L-Nut 3/8-24 Thd.	
16	HH-06-03031		Spring	
17	HH-03-03032		Washer	
18	10400		Engine Brace Ass'y.	
19	712-267		Hex Nut 5/16-18 Thd.*	
20	736-119		L-Wash. 5/16" Scr.*	
21	10419-	—463	Variable Spd. Guide Brkt. Ass'y.	
22	10080		Variable Speed Rod	
23	732-191		Spring .75 O.D. x 11.0" Lg.	
24	10057-	—463	Frame	
25	736-329		L-Wash. 1/4" Scr.*	
26	712-287		Hex Nut 1/4-20 Thd.*	
27	732-191		Spring .75 O.D. x 11.0" Lg.	
28	710-136		Hex Hd. Cap Scr. 1/4-20 x 1.75"*	
29	10057-	—463	Frame	
30	11379		Clutch Foot Pedal Rod Ass'y.	
31	11378		Brake Foot Pedal Rod	
32	715-131		Spring Pin Roll 1/4" Dia. x 2.50"	
33	732-245		Brake Spring (Foot Pedal)	
34	10078		Foot Pedal Rod 18.80 inch	
35	761-148		Blade Brake Ass'y.	N
36	736-329		L-Wash. 1/4" Scr.*	
37	712-287		Hex Nut 1/4-20 Thd.*	
38	712-429		Hex Ins. L-Nut 5/16-18 Thd.	
39	711-404		Shoulder Nut	
40	11382-	—463	Clutch Bar Rod	
41	710-322		Hex Sems Scr. 5/16-18 x 1.00"*	
42	710-198		Hex Sems Scr. 5/16-18 x .75"*	
43	712-267		Hex Nut 5/16-18 Thd.*	
44	710-117		Hex Hd. Cap Scr. 5/16-24 x 1.00" Lg. H.T.	
45	9780-	—463	Transmission Belt Guard Ass'y.	
46	712-429		Hex Ins. L-Nut 5/16-18 Thd.	
47	711-404		Shoulder Nut	
48	747-109		Brake Rod .25" Dia. x 31.62"	
49	732-118		Ext. Spring (Brake Return)	
50	10245		Disc Brake Bracket Ass'y.	
51	710-198		Hex Sems Scr. 5/16-18 x .75"*	



DECK AND BELT SYSTEM

NOTE: If mower fails to respond to speed control lever, it is possible that the variable speed pulley is seizing. Apply a few drops of light oil to each side of the assembly to loosen. Re-apply dry lubricant. Do not get lubricant on belts. It not necessary to dismant. to apply lubricant.

PARTS LIST FOR MODEL 134-420A

REF.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	12341—463		Idler Support Bracket	N
2	756-116		"V" Belt Idler 3.60 O.D.	
3	712-242		Hex Jam Nut 5/8-11 Thd.	
4	736-158		L-Wash. 5/8" Scr.	
5	11073		Brake Disc	
6	756-143		Blade Pulley .63" I.D.	
7	10438		Vari. Spd. Pulley Ass'y.	
	10599		Vari. Spd. Pulley & Brkt. Ass'y. Comp.	
8	748-177		Sheave Half	
9	715-124		Spring Pin Spirol 5/32" Dia. x .62" Lg. H.D.	
10	748-181		Moveable Sheave Ass'y.	
11	741-139		Ball Bearing .50" I.D. x 1.38" O.D.	
12	750-144		Steel Tubing	
13	750-146		Spacer .520" I.D. x .692 O.D. x 1.24" Lg.	
14	741-139		Ball Brg. .50" I.D. x 1.38" O.D.	
15	748-177		Sheave Half	
16	736-921		L-Wash. 1/2" Scr.*	
17	712-384		Hex Center L-Nut 1/2-13 Thd.	
18	736-235		Fl. Wash. .406 I.D. x 1.25 O.D.	
19	736-169		L-Wash. 3/8" Scr.*	
20	710-152		Hex Hd. Cap Scr. 3/8-24 x 1.00"*	
21	8253		Bearing Housing	
22	741-919		Ball Brg. .787 I.D. x 1.85 O.D.	
23	738-129		Shldr. Scr. .498" Dia. x 2.00"	
	736-105		Belleville Wash. .400 I.D. x .88 O.D.	
25	11539—463		Belt Guard	
26	732-153		Spring .75" O.D. x 8.65" Lg. (Deck)	
27	12344—463		26" Deck Ass'y.	N
	12346—463		26" Rider Deck Ass'y. Comp.	N
28	714-388		#61 Hi-Pro Key 3/16x3/8" Dia.	
29	714-365		#6 Hi-Pro Key 5/32 x 5/8" Dia.	
30	10769		Blade Adapter Kit	
31	742-147		26 inch Blade	N
32	736-217		L-Wash. 3/8" Scr. H.D.	
33	710-459		Hex Hd. Cap Scr. 3/8-24 x 1.50" Lg. H.T.	

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
34	10769		Blade Adapter Kit	
35	710-117		Hex Hd. Cap Scr. 5/16-24 x 1.00" Lg. H.T.	
36	736-119		L-Wash. 5/16" Scr.*	
37	712-123		Hex Nut 5/16-24 Thd.*	
38	712-267		Hex Nut 5/16-18 Thd.*	
39	736-119		L-Wash. 5/16" Scr.*	
40	711-405		Spindle	
41	8253		Bearing Housing	
42	741-919		Ball Brg. .787 I.D. x 1.85 O.D.	
43	710-195		Hex Hd. Cap Scr. 1/4-28 x .62"	
44	736-329		L-Wash. 1/4" Scr.*	
45	734-295		5.0" Wheel Ass'y. (Deck)	
46	738-119		Shldr. Scr. .625" Dia. x 1.75	
47	736-105		Belleville Wash. .400 I.D. x .88 O.D.	
48	10426—463		Belt Keeper Ass'y.—R.H. (Deck)	
	11823—463		Belt Keeper Ass'y.—L.H. (Deck)	
49	736-119		L-Wash. 5/16" Scr.*	
50	712-267		Hex Nut 5/16-18 Thd.*	
51	11399—463		Adapter Ass'y.	
52	11571—463		Chute Cover Ass'y.	
53	726-106		Push Nut 1/4" Rod	
54	732-261		Torsion Spring	
55	726-106		Push Nut 1/4" Rod	
56	710-322		Hex Sems Scr. 5/16-18 x 1.00"*	
57	712-922		Hex Jam Nut 1/2-20 Thd.*	
58	736-921		L-Wash. 1/2" Scr.*	
59	754-136		"V"-Belt 21/32" x 31.0" Lg.	
60	756-174		Trans. Split Pulley .50" I.D.	
61	754-147		"V"-Belt 1/2" x 52" Lg.	
62	754-135		"V"-Belt 21/32" x 25.0" Lg.	
63	712-267		Hex Nut 5/16-18 Thd.*	
64	736-119		L-Wash. 5/16" Scr.*	
65	756-232		Engine Pulley	N
66	10426—463		Belt Keeper Ass'y.	
67	712-267		Hex Nut 5/16-18 Thd.*	
68	10423—463		Belt Guard Cup Ass'y.	
69	736-119		L-Wash. 5/16" Scr.*	
70	750-142		Spacer .836 I.D. x 1.01 O.D.	
71	11634—463		Chute Cover Ass'y.—Comp.	
72	12343—463		Deck Bracket	N

WHEEL CHART

FRONT WHEEL

REAR WHEEL

Part. No.	Description	Part. No.	Description
734-510	Wheel Ass'y.—Comp.	734-522	Wheel Ass'y.—Comp.
10152	Rim with Hub Ass'y.	734-517	Rim with Hub Ass'y.
		734-301	Tire Only 12.2 x 3.7
748-146	Bearing	748-151	Bearing
—	Hub Part of Rim	—	Hub Part of Rim
		734-255	Air Valve

PARTS INFORMATION

DEFECTIVE OR MISSING PARTS must be reported to the factory immediately. Such claims must include your model number and date of purchase.

POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all MTD manufactured power equipment are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts numbers, description of parts and the quantity of each part required.

A 1 Engine & Mower Co.
327 East 9th Street
Salt Lake City, Utah 84102

American Electric Ignition Co.
124 N. W. 8th Street
Oklahoma City, Oklahoma 73102

Auto Electric & Carburetor Co.
2525 4th Avenue, S.
P. O. Box 1948
Birmingham, Alabama 35233

Automotive Equipment Service Co.
3117 Holmes Street
Kansas City, Missouri 64109

Bailey's Rebuild Inc.
1325 E. Madison Street
Seattle Washington 98102

Bleckrie, Inc.
7900 Lorain Avenue
Cleveland, Ohio 44102

Brown Equipment Distributor Inc.
110 Beech Street
Corydon, Indiana 47112

Bullard Supply
2409 Commerce Street
Houston, Texas 77003

Carl A. Anderson Co.
623 S. 16th Street
Omaha, Nebraska 68102

Catto & Putty, Inc.
P. O. Box 2408
510 Soledad Street
San Antonio, Texas 78205

Center Supply Company
6867 New Hampshire Avenue
Takoma Park, Maryland 20012

Dixie Sales Company
P. O. Box 1408
327 Battleground Avenue
Greensboro, North Carolina 27402

East Point Cycle & Key Shop
1617 Whiteway
East Point, Georgia 30044

Gamble Distributors
West End Avenue
Carthage, New York 13619

Garden Equipment Co., Inc.
6600 Cherry Avenue
Long Beach, California 90805

Gardenville Supply, Inc.
Pipersville, Pennsylvania 18947

Henry W. O'Neil & Assoc., Inc.
410 North Goodman Street
Rochester, New York 14609

Henzler, Inc.
2015 Lemay Ferry Road
St. Louis, Missouri 63125

Kenton Supply
8216 North Denver Avenue
Portland, Oregon 97217

Kimber's Inc.
115 W. Geddes St.
Syracuse, New York 13204

The Lawnmower Shop
1340 El Camino Real
San Carlos, California 94070

Marr Brothers
423 E. Jefferson
Dallas, Texas 75203

Mathews Auto Electric Co.
420 East 2nd Street
Tulsa Oklahoma 74120

McClure Lawn & Garden Supply
1114 Lexington Avenue
Mansfield, Ohio 44907

Memphis Cycle & Supply Co.
421 Monroe Avenue
Memphis Tennessee 38103

Morton B. Collins Co.
300 Birnie Avenue
Springfield, Massachusetts 01107

Mox-All of Florida, Inc.
365 Greco Avenue
Coral Gables, Florida 33146

BRIGGS & STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing *Engines — Gasoline*, Briggs & Stratton or Tecumseh Lauson — Power Products.

National Central, Div. of
Joe Sterling, Inc.
Drawer "D" 687 Seville Rd.
Wadsworth, Ohio 44281

Parts & Sales Inc.
2101 Industrial Pkwy.
Elkhart, Indiana 46514

Power Equipment Distributor
36463 So. Gratiot Avenue
Mt. Clemens, Michigan 48043

Power Lawn & Garden Equip. Co.
2551-2571 J. F. Kennedy Road
Dubuque, Iowa 52001

Radco Distributors
2403 Market Street
P. O. Box 3216
Jacksonville, Florida 32206

Raub Supply Company
James & Mulberry Sts.
Lancaster, Pennsylvania 17604

Richmond Battery & Ignition
P. O. Box 25369 — 957 Myers St.
Richmond, Virginia 23260

Smith Hardware Company
515 N. George Street
Goldsboro, North Carolina 27530

South Denver Lawn Equip. Co.
527 West Evans
Denver, Colorado 80223

Suhren Engine
8330 Earhart Blvd.
New Orleans, Louisiana 70118

Sutton's Lawn Mower Shop
Route 4, Box 343
North Little Rock, Arkansas 72117

Warner Equipment
7520 Lyndale Avenue, So.
Minneapolis, Minnesota 55423

Woodson Sales & Service
1702 North Sylvania
Ft. Worth, Texas 76111

WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES

1. Replacement of Missing Parts on new equipment.
2. Replacement of Defective Parts within the warranty period.
3. Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

1. Model Number of unit involved.
2. Date unit was purchased or first put into service.
3. Date of failure.
4. Nature of failure.